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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/804,268	03/13/2001	Makoto Muraishi	826.1697/JDH	9108
21171	7590	04/07/2006	EXAMINER	
STAAS & HALSEY LLP SUITE 700 1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			CHUONG, TRUC T	
			ART UNIT	PAPER NUMBER
			2179	

DATE MAILED: 04/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/804,268	Applicant(s) MURAISHI ET AL.	
	Examiner Truc T. Chuong	Art Unit 2179	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 January 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1, 10, 11, 14 and 18-25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 10, 11, 14 and 18-25 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 13 March 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This communication is responsive to the communication filed 01/19/06.

Claims 1, 10, 11, 14, and 18-25 are pending in this application. In this communication, claims 1, 10, 11, and 14 are independent and amended, and claims 2-9, 12-13, and 15-17 are cancelled. This action is made final.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

2. Claims 1, 10, 11, 14, and 18-25 are rejected under 35 U.S.C. 102(a) as being anticipated by JUnit (Screen Captures 1-33, from www.junit.org, and Publication Date was Oct. 18, 2000).

From Internet Browser (Internet Explorer or Netscape) → www.junit.org → a unit test framework known as JUnit (<http://www.junit.org>) automates the process of running these tests, letting you quickly see whether your program returns the results you expect. JUnit testing software makes the process of running unit tests very simple by providing support for JUnit. Once you have written a JUnit test class, you can simply choose the "Test Current Document" command from the Tools menu to run the tests and view the results. The name of the tests being run will be shown in the Test Output tab, with each test method turning green if it completes successfully and red if it fails. Without compiling the whole program (software) because the written software may contains errors, JUnit will automatically generate the objects, based on

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defined class and code instructions and code instructions of the program, such as screen, input fields, command icons, search fields, data ranges etc. (see pages 12, 20, and 21). Page 33 shows the date can go back to Oct. 18, 2000.

As to claims 1 and 14, JUnit shows a test support apparatus for supporting a test of a screen program using a graphic user interface, comprising:

a test support class generation unit obtaining screen definition information defining a test target screen program that generates and controls a screen (JUnit, pages 12 and 20), and generating a test support class which is a subclass inheriting a class of the test target screen program responsive to the screen definition information (TestRunner reload all classes for each test run, page 2 and 10), and a class for testing the test target screen program (Without compiling the whole program (software) because the written software may contains errors, JUnit will automatically generate the objects, based on defined class and code instructions and code instructions of the program, such as screen, input fields, command icons, search fields, data ranges etc., e.g., pages 12 and 20, and page 21 shows fields and buttons can be simulated for testing);

a test specification generation unit generating a test specification for the test target screen program according to the definition information (JUnit will automatically generate the objects, based on defined class and code instructions and code instructions of the program, such as screen, input fields, command icons, search fields, data ranges etc., e.g., pages 12 and 20), and providing the test specification for the test support class (e.g., input fields, command icons, search fields, data ranges etc., e.g., pages 12 and 20); and

a test execution unit conducting a test of the test target screen program defined by the screen definition information using the generated test support class to thereby test the screen program using the graphical user interface (JUnit will automatically generate the objects, based on defined class and code instructions and code instructions of the program, such as screen, input fields, command icons, search fields, data ranges etc., e.g., pages 12 and 20); and

a test data generation unit supporting input of input test data (JUnit, e.g., pages 1-12), by displaying on the screen a menu of a test data and its attribute according to the test specification, and embedding the test data instructed by an operator in an input field on the screen (e.g., pages 10, 12, and textual TestRunner and graphical TestRunner, page 4).

As to claim 10, this is a method claim of the apparatus claim 1. Note the rejection of claim 1 above.

As to claim 11, this is a computer program product claim of the apparatus claim 1. Note the rejections of claim 1 above.

As to claims 18 and 24, JUnit shows the apparatus according to claim 1, wherein said test specification includes a test item and content of test related to the test data (e.g., input fields, command icons, search fields, data ranges etc., e.g., pages 12 and 20), the test related to the test data, the test item indicating whether the test data is a normal value or an abnormal value (input fields, data ranges, e.g., page 12 and 20), and the content of test indicating the type of test item (Testing Key Widgets, e.g., page 13), and

said menu displayed on the screen includes the test item, the type of the test, and the test data (e.g., pages 12-13, and 20).

As to claims 19 and 25, JUnit teaches the apparatus according to claim 1, wherein

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said test support class further deletes the test data executed by the test execution unit from the menu displayed on the screen (data from the input fields of pages 20 and 23 can be entered or deleted/removed with new input values).

As to claims 20-21, they are method claims of the apparatus claims 18-19. Note the rejections of claims 18-19 above respectively.

As to claims 22-23, they are computer program product claims of the apparatus claims 18-19. Note the rejections of claims 18-19 above respectively.

Response to Arguments

Applicant's arguments with respect to claims have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

JUnit a Cook's Tour (Pages 1-12, July 1998) teaches JUnit Framework, testing tools, and inheriting classes.

Nock et al. (U.S. Patent No. 6,353,897 B1) teach testing object oriented software, framework, creating applets for testing (cols. 4-11).

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Truc T. Chuong whose telephone number is 571-272-4134. The examiner can normally be reached on M-Th and alternate Fridays 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on (571) 272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Truc T. Chuong

04/03/06



WEILUN LO
SUPERVISORY PATENT EXAMINER